American Proficiency Institute

1158 Business Park Drive, Traverse City, MI 49686

PROFICIENCY TESTING PERFORMANCE EVALUATION

2017 Chemistry - Miscellaneous - 2nd Event

Please check the reports carefully and notify API within 30 days of any corrections that must be made to your evaluation.

Customer Information

Heather Hall - Laboratory
Brown Clinic
506 1st Avenue NE
Watertown, SD 57201

API Customer Number: 28518 CLIA Number: 43D0407296
These reports have also been prepared for:
COLA (0016466)

Main Lab

The American Proficiency Institute evaluation reports consist of three parts: Performance Summary, Comparative Evaluation, and Participant Data Summary. The Performance Summary and Comparative Evaluation are enclosed, and the Participant Data Summary is available on our website. Click on 'Participant Data Summaries' on the left side of the screen, choose a Test Event, and select an analyte and peer group to view the statistics.

Laboratories should review the Performance Summary and Comparative Evaluation thoroughly for failures or 'not graded' analytes. Laboratories are responsible for documenting and performing corrective action for failures and must perform a self-evaluation using statistics presented in the Participant Data Summary for samples that have not been graded.

PERFORMANCE REVIEW AND CORRECTIVE ACTION

After reviewing the evaluation reports, complete the information below and retain this form along with the enclosed reports for your records.

Reviewed by (Lab Director or designee): _____, MS Date: 11/22/17

Corrective action taken (if indicated):

100% acceptable
No ungraded/educational samples
100% long term success

Heather J Hall

Evaluation Published: 11/20/2017

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Customer No: 26618
CLIA No: 43D0407296
Address: Heather Hall - Laboratory
Brown Clinic
506 1st Avenue NE
Watertown, SD 57201

Performance Summary

2017 Chemistry - Miscellaneous - 2nd Event

This is a summary of your proficiency testing performance for the last three test events. It is divided into sections according to specialty/sub-specialty. Unsuccessful long-term performance, where indicated, is based on unsatisfactory scores for two of three test events.

The scores for individual analytes are defined as the ratio of acceptable responses to the number of samples tested, expressed as a percentage. Unsatisfactory performance (denoted by ✓) is indicated for any analyte with less than 80%. Analytes that are scored for CMS are designated by (**).

CHEMISTRY *Endocrinology*	2016 3rd	2017 1st	2017 2nd	Long Term	Notes (2017 2nd)
PSA	100%	100%	100%		

CHEMISTRY *Routine Chemistry*	2016 3rd	2017 1st	2017 2nd	Long Term	Notes (2017 2nd)
Ferritin	100%	100%	100%		
Microalbumin (quan)	100%	100%	100%		
Urine Creatinine (quant)	100%	100%	100%		

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Comparative Evaluation

2017 Chemistry - Miscellaneous - 2nd Event

This report shows the result you reported, expected result, mean, SD (Standard Deviation), SDI (Standard Deviation Interval), and your grade for each sample tested. The SDI compares your laboratory's result to the comparison group's mean and is defined as follows:

$$SDI = \frac{\text{Reported Result - Comparison Group Mean}}{\text{Comparison Group Standard Deviation}}$$

Analytes that are scored for CMS are designated by (**).

IMMUNOASSAY

Analyte / Method	Sample	Reported Result	Expected Result	Mean	SD	SDI	Grade
Ferritin (ng/mL)	IA-04	92	83 - 104	93.8	3.4	-0.5	Acceptable
Siemens Dimension / Siemens Dimension	IA-05	157	141 - 174	157.5	5.5	0.0	Acceptable
reagent	IA-06	22	19 - 27	22.7	1.2	-0.6	Acceptable
PSA (ng/mL)	IA-04	8.14	7.10 - 9.43	8.266	0.387	-0.3	Acceptable
Siemens Dimension / Siemens Dimension	IA-05	16.61	14.15 - 18.46	16.307	0.716	0.4	Acceptable
reagent	IA-06	0.13	0.00 - 0.41	0.010	0.000		Acceptable

MICROALBUMIN

Analyte / Method	Sample	Reported Result	Expected Result	Mean	SD	SDI	Grade
Microalbumin (quan) (mg/L)	MA-04	81.5	59.2 - 110.1	84.65	2.18	-1.4	Acceptable
Siemens Dimension / Siemens Dimension	MA-05	131.4	96.4 - 179.2	137.77	9.50	-0.7	Acceptable
reagent	MA-06	40.2	29.3 - 54.5	41.86	1.49	-1.1	Acceptable
Urine Creatinine (quant) (mg/dL)	MA-04	205.2	159.6 - 239.6	199.61	10.11	0.6	Acceptable
Siemens Dimension / Siemens Dimension	MA-05	66.1	52.5 - 78.9	65.72	3.66	0.1	Acceptable
CRE2	MA-06	200.4	159.8 - 239.9	199.87	9.33	0.1	Acceptable

11/20/2017